

Vaclav Prchlik

Software Development Manager





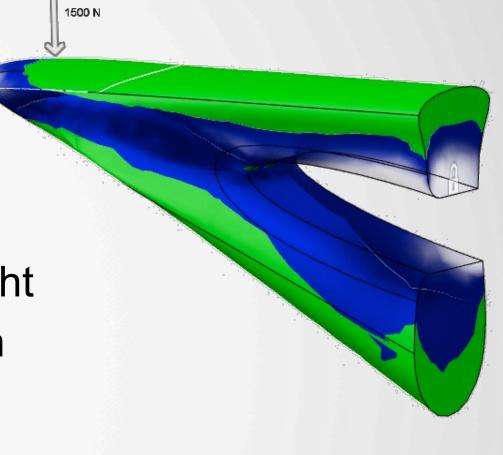
Class summary

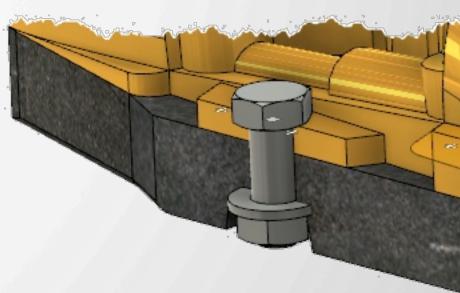
Simulation for Designers (S4D)

- No need to be a simulation expert
- S4D will guide you to the right design decisions, improve your product functionality, and decrease weight
- You will learn how easily you can improve your design with a 1-Click Solution

Bolted Connection for Fusion

Quickly generate right Bolt, Washer, Nut and Holes

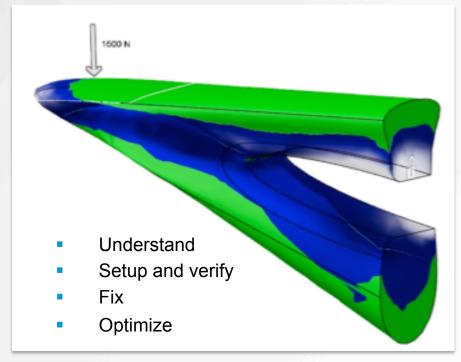




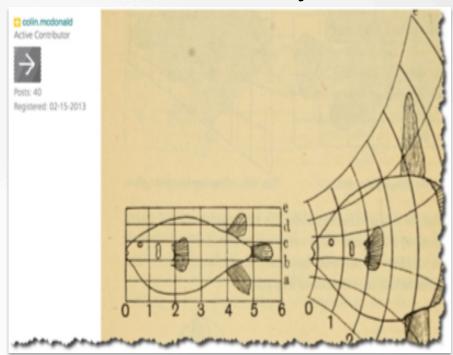




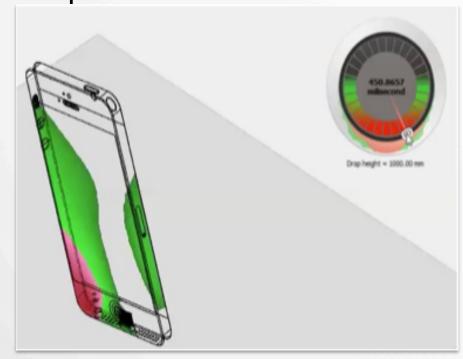
Simulation for Designers



Autodesk Community



Drop Test

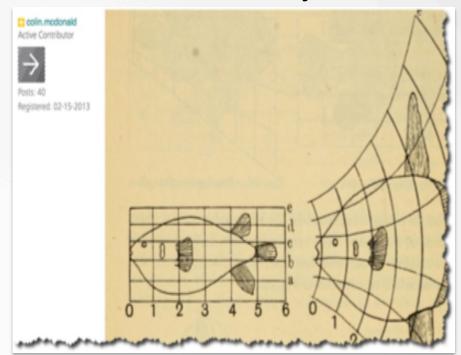


Bolted Connection

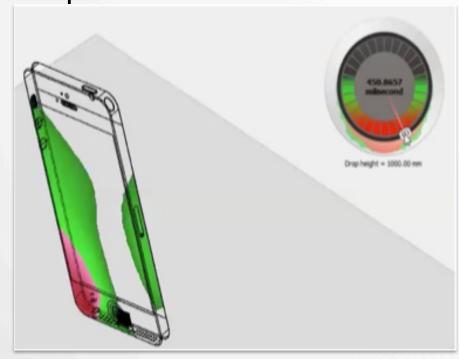




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Drop Test



Bolted Connection





Concept of Simulation for Designers (S4D)

Every designer wants to create the right design that would work.

Common questions are:

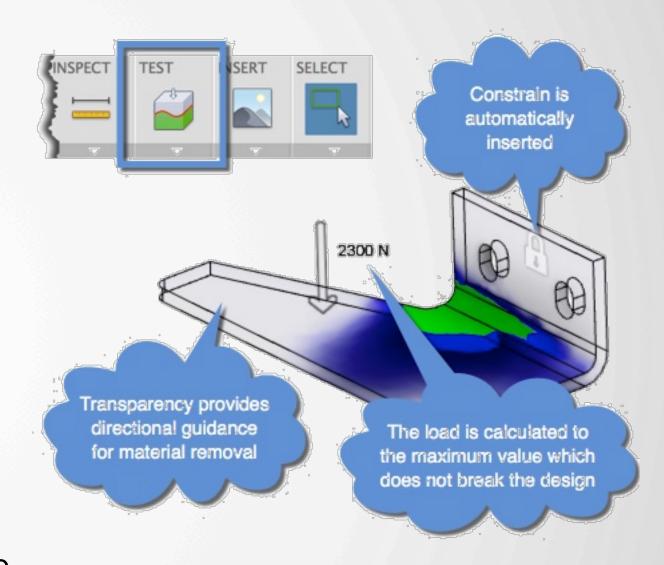
- Is it likely to break?
- Where are critical areas of my model?
- Can I remove material?

Designers want answers but do not want to be Simulation experts.



Concept of Simulation for Designers (S4D)

- Start with Results
- Directional Guidance
 - No numbers
- Effortless
 - No learning
 - 1-Click
- Native Part of Fusion 360
 - Designer workflow, not an LT version of analysts package

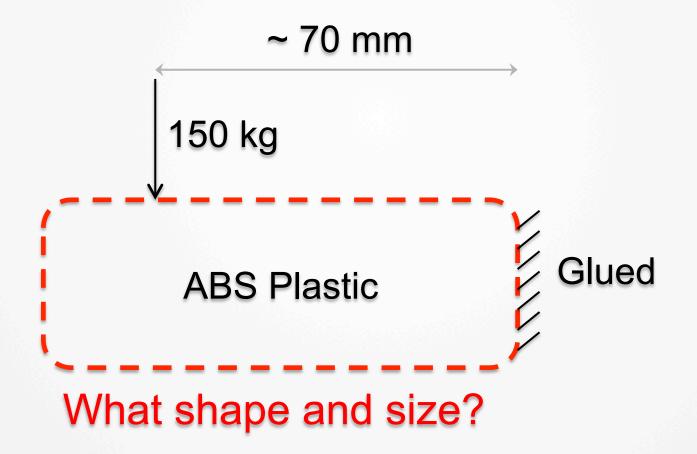


Step-by-step S4D

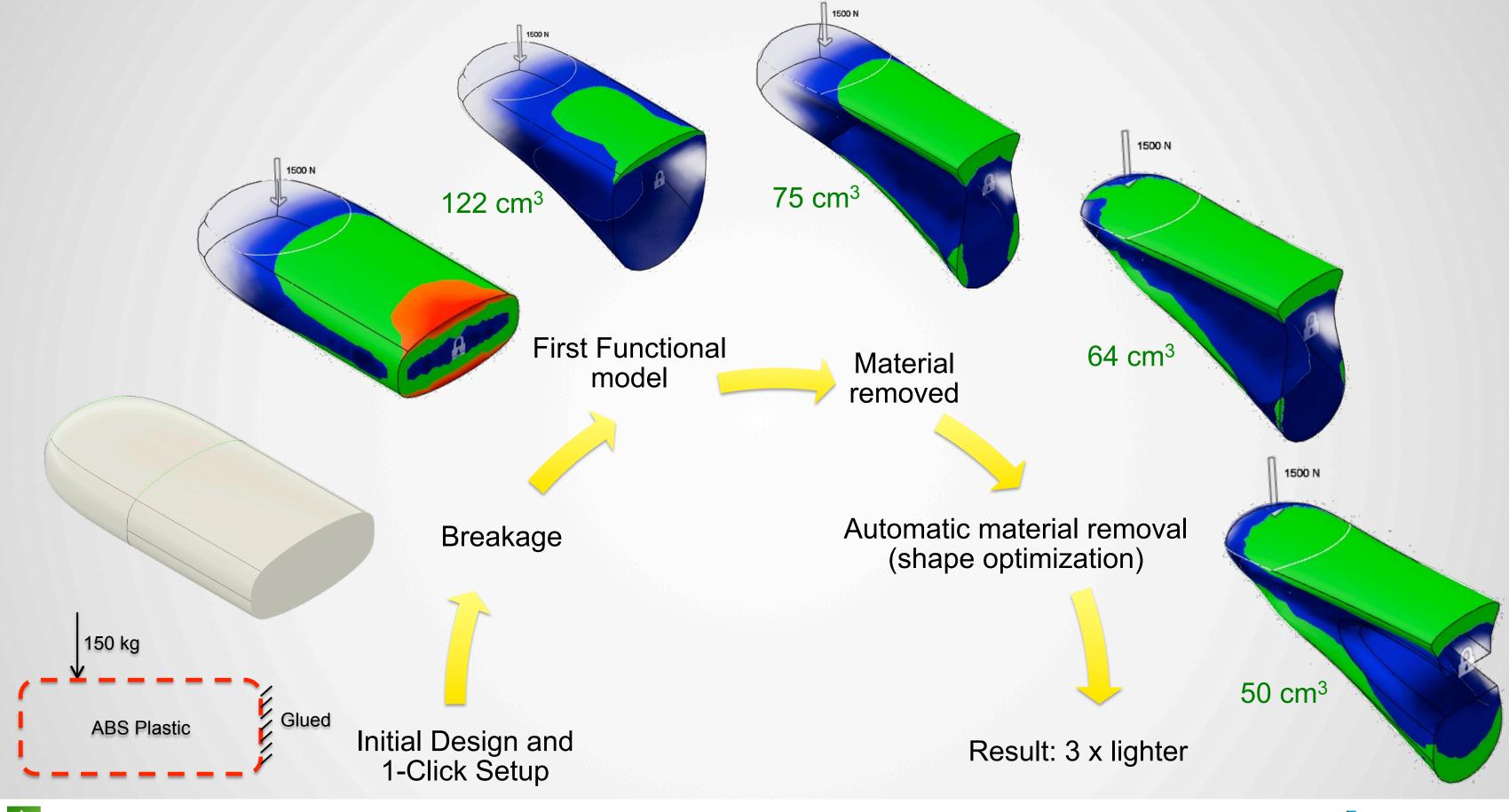


Goal:

- Design a simple holder from ABS plastic that would keep 150 kg
- Production method: 3D print







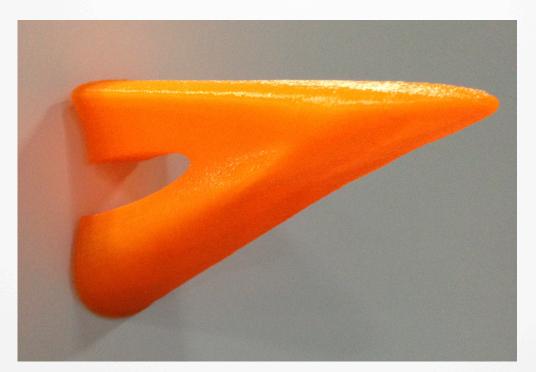
3D Print









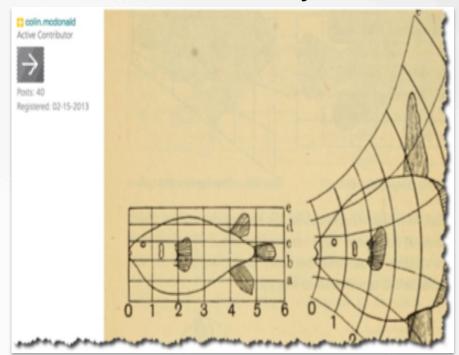




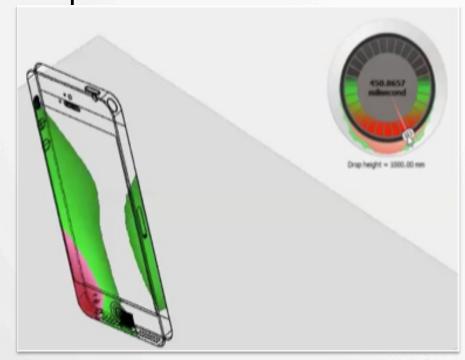
Questions?



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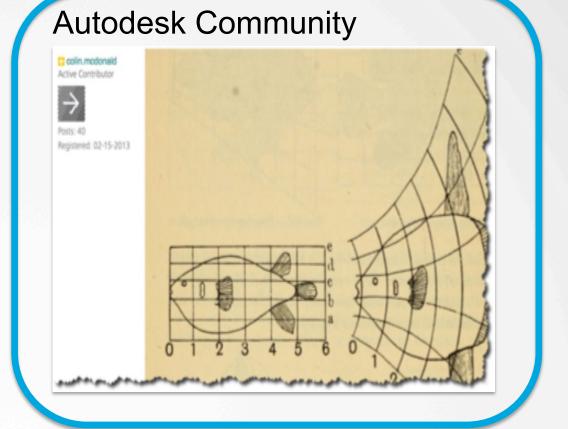
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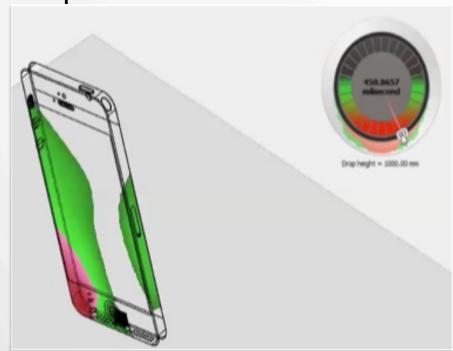
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Drop Test

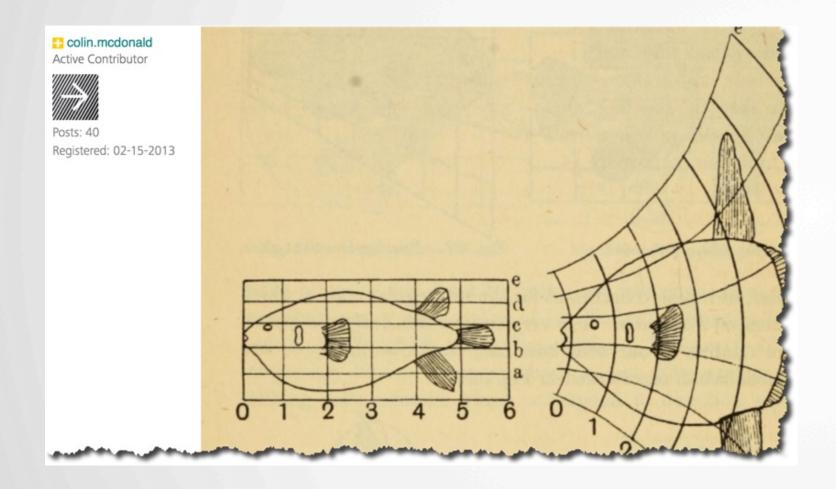


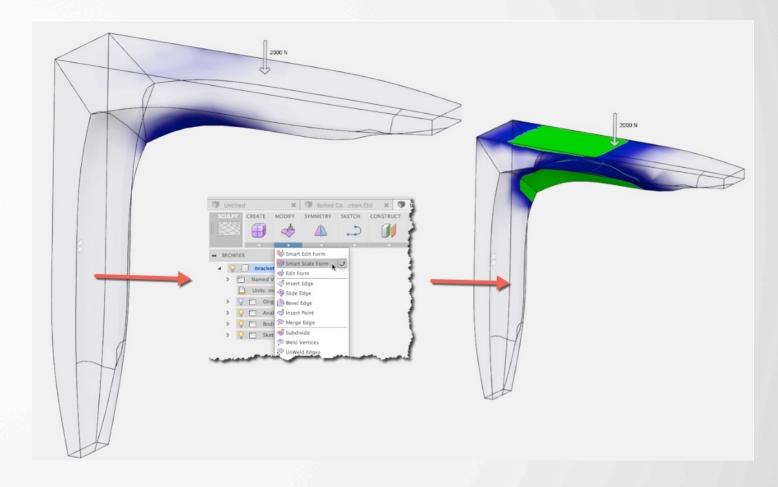
Bolted Connection





Smart Scale Form



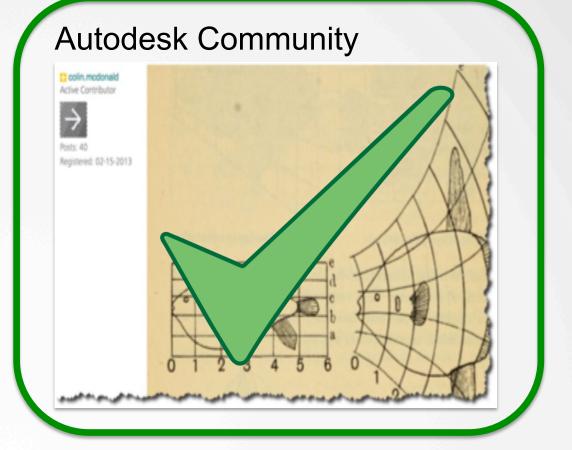




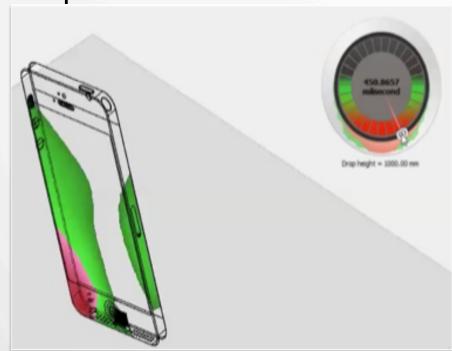


Questions?





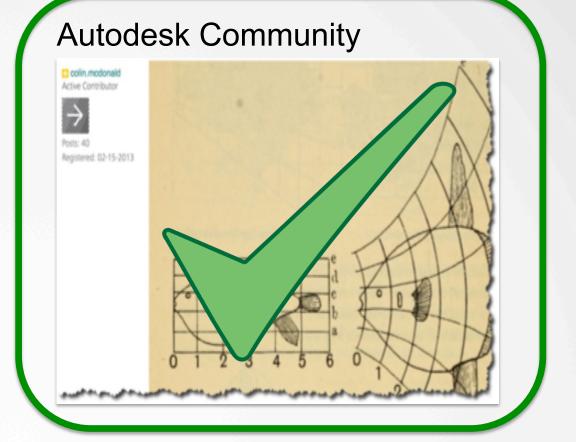
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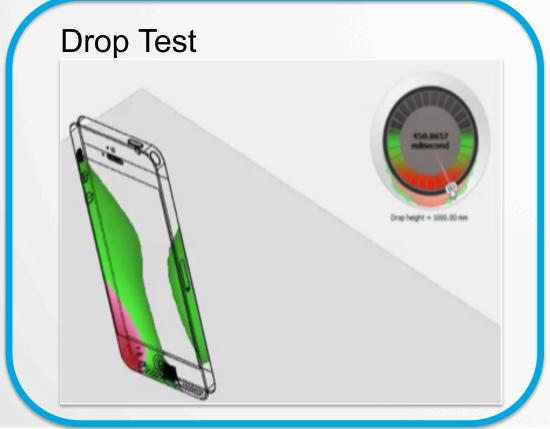


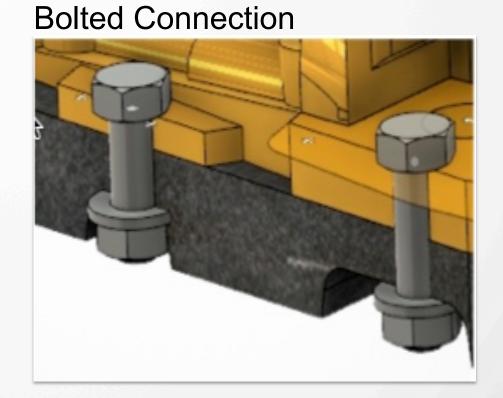
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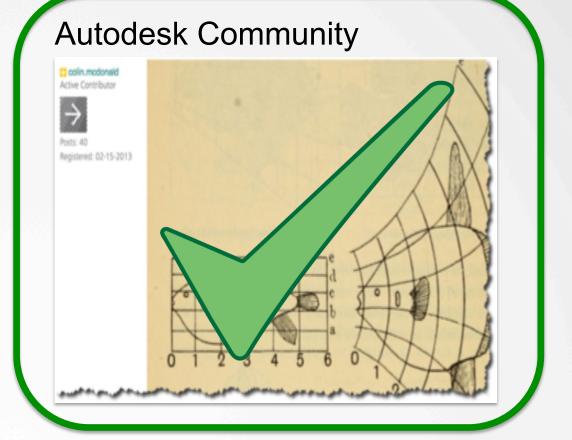


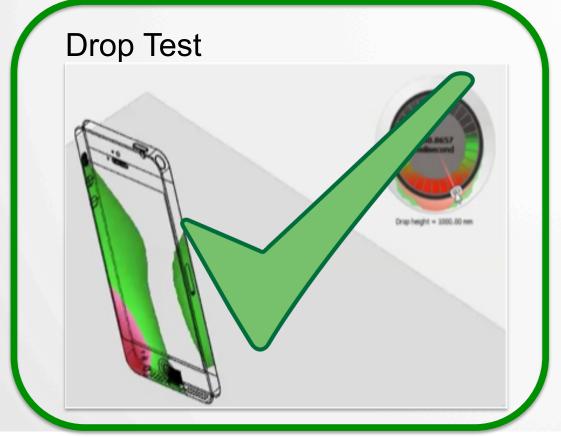


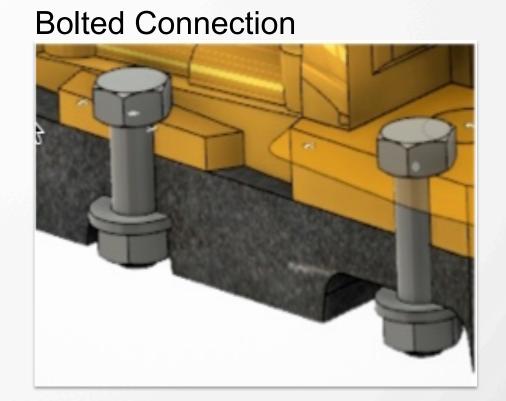


Questions?



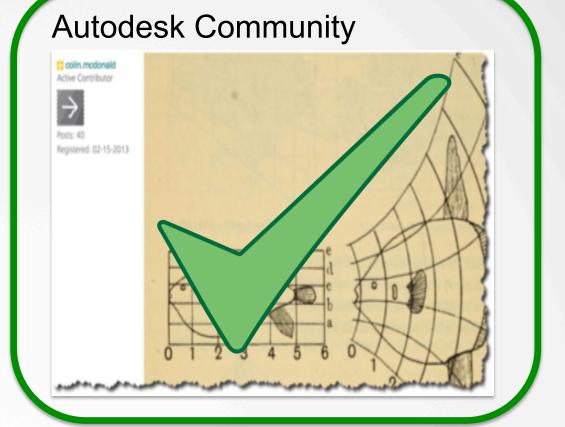


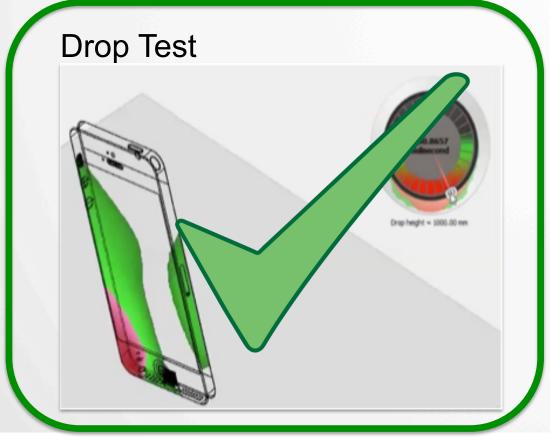














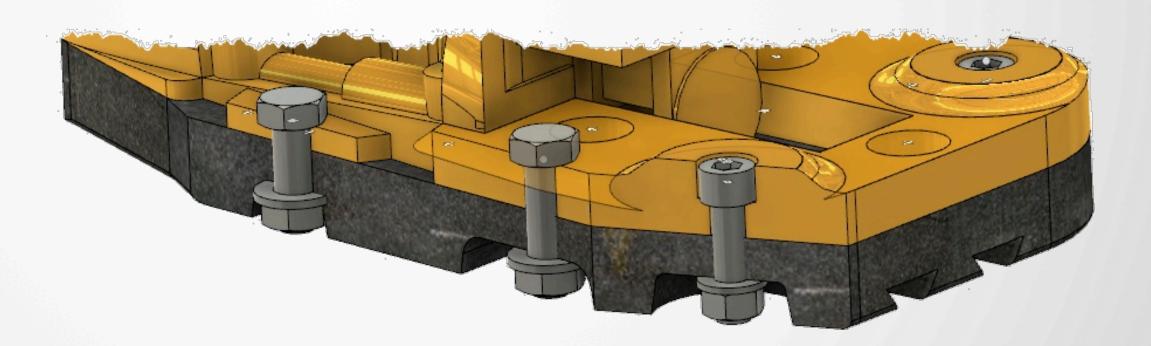


Bolted Connection for Fusion

Modeling Bolted Connection is one of the most common time consuming tasks.

Learn how to make bolted connection in seconds rather than minutes.

- 1-Click Creation
- Diameter change
- Topology change

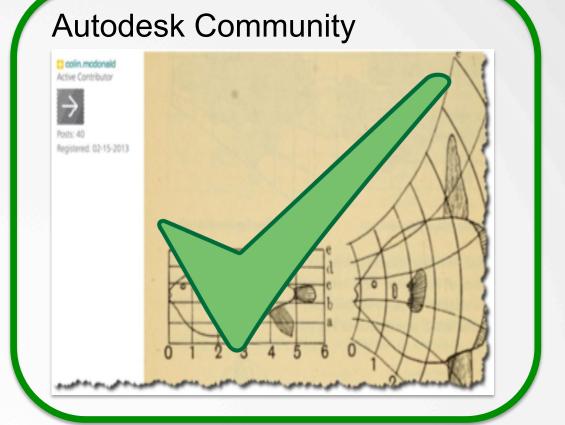


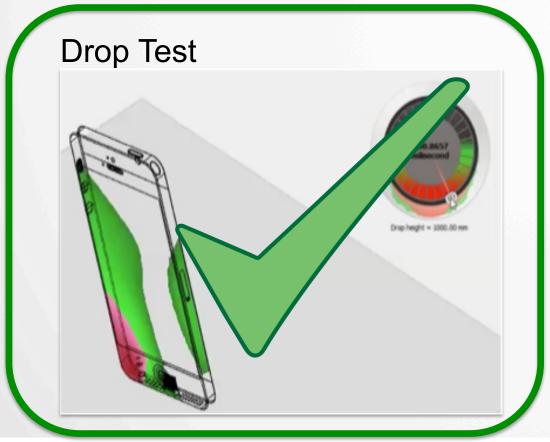


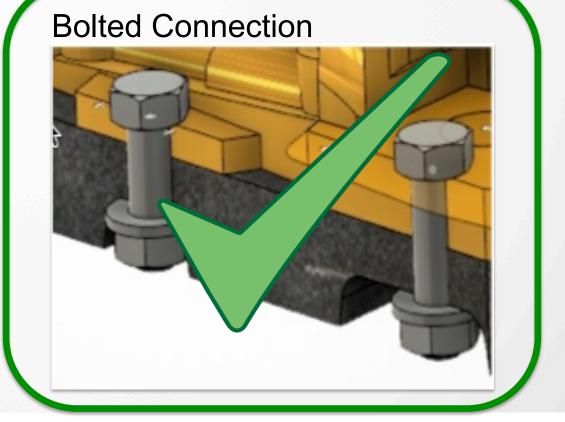


Questions?











Session Feedback

Via the Survey Stations, email or mobile device

AU 2014 passes given out each day!

Best to do it right after the session

Instructors see results in real-time











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